



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 104096

TO: Minh-Tam Davis
Location: cm1-8a01/8e12
Art Unit: 1642
Wednesday, September 17, 2003
Case Serial Number: 09/439313

From: Paul Schulwitz
Location: Biotech-Chem Library
CM1-6B06
Phone: 305-1954

paul.schulwitz@uspto.gov

Search Notes

Examiner Davis,

See attached results.

If you have any questions about this search feel free to contact me at any time.

Thank you for using STIC search services!

Paul Schulwitz
Technical Information Specialist
STIC Biotech/Chem Library
(703)305-1954



THIS PAGE BLANK (USPTO)

GenCore version 5.1.6
(c) 1993 - 2003 Compu

using sw model

September 16, 2003, 13:25:08 ; Search time 218 Seconds
(without alignments)
4.156 Million cell updates/sec

us-09-439-313-434

1 tttaaataagcatttagt.....ataagtaaccatgtcttta 484

BLOSUM62

1934 seqs, 936046 residues

hits satisfying chosen parameters: 3868

```
length: 0
length: 20000000000
```

Minimum Match	0%
---------------	----

Listing first 45 summaries

```

* .seq: *

```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	2760	100.0	484	1	US-09-439-313-434	Sequence 434, App
2	2760	100.0	484	2	US-09-352-616A-434	Sequence 434, App
3	2749	99.6	2984	1	US-09-439-313-335	Sequence 335, App
4	2749	99.6	2984	2	US-09-352-616A-335	Sequence 335, App
5	2749	99.6	2984	3	US-09-232-149A-335	Sequence 335, App
6	2092	75.8	366	1	US-09-439-313-115	Sequence 115, App
7	2092	75.8	366	2	US-09-352-616A-115	Sequence 115, App
8	2092	75.8	366	3	US-09-232-149A-115	Sequence 115, App
9	2092	75.8	366	4	US-09-159-812-115	Sequence 115, App
10	2092	75.8	366	5	US-09-030-607-115	Sequence 115, App
11	2092	75.8	366	6	US-09-020-956-115	Sequence 115, App
12	1876	68.0	335	1	US-09-439-313-141	Sequence 141, App
13	1876	68.0	335	2	US-09-352-616A-141	Sequence 141, App
14	1876	68.0	335	3	US-09-232-149A-141	Sequence 141, App
15	1876	68.0	335	4	US-09-159-812-141	Sequence 141, App
16	1876	68.0	335	5	US-09-030-607-141	Sequence 141, App
17	1876	68.0	335	6	US-09-020-956-141	Sequence 141, App
18	1780	64.5	317	1	US-09-439-313-453	Sequence 453, App
19	1780	64.5	317	2	US-09-352-616A-453	Sequence 453, App
20	1729	62.6	305	1	US-09-439-313-295	Sequence 295, App
21	1729	62.6	305	2	US-09-352-616A-295	Sequence 295, App
22	1729	62.6	305	3	US-09-232-149A-295	Sequence 295, App
23	1729	62.6	305	4	US-09-159-812-295	Sequence 295, App
24	1226	44.4	2507	1	US-09-439-313-332	Sequence 332, App
25	1226	44.4	2507	2	US-09-352-616A-332	Sequence 332, App
26	1226	44.4	2507	3	US-09-232-149A-332	Sequence 332, App
27	1220	44.2	6082	1	US-09-439-313-535	Sequence 535, App

C	28	1215	44.0	5839	1	US-09-439-313-473	Sequence 473, App
	29	1214.5	44.0	6140	1	US-09-439-313-536	Sequence 536, App
	30	1214	44.0	1119	1	US-09-439-313-177	Sequence 177, App
	31	1214	44.0	1119	2	US-09-439-6168-117	Sequence 177, App
	32	1214	44.0	1119	3	US-09-232-1498-177	Sequence 177, App
	33	1214	44.0	1119	4	US-09-159-812-177	Sequence 177, App
	34	1214	44.0	1119	5	US-09-030-607-177	Sequence 177, App
	35	1214	44.0	1119	6	US-09-020-956-177	Sequence 177, App
C	36	1213.5	44.0	5839	1	US-09-439-313-473	Sequence 473, App
	37	1210	43.8	3410	1	US-09-439-313-110	Sequence 110, App
	38	1210	43.8	3410	2	US-09-352-6168-110	Sequence 110, App
	39	1210	43.8	3410	3	US-09-232-1498-110	Sequence 110, App
	40	1210	43.8	3410	4	US-09-159-812-110	Sequence 110, App
	41	1210	43.8	3410	5	US-09-030-607-110	Sequence 110, App
	42	1210	43.8	3410	6	US-09-020-956-110	Sequence 110, App
C	43	1208	43.8	2000	1	US-09-439-313-374	Sequence 374, App
	44	1208	43.8	2000	2	US-09-352-6168-374	Sequence 374, App
	45	1208	43.8	2040	1	US-09-439-313-375	Sequence 375, App

ALIGNMENTS

```

RESULT 1
US-09-439-313-434
? Sequence 434, Application US/09439313
? Patent No. 6329505
? GENERAL INFORMATION:
? APPLICANT: Xu, Jiangchun
? APPLICANT: Dillon, Davin C.
? APPLICANT: Mitcham, Jennifer L.
? APPLICANT: Harlocker, Susan Louise
? APPLICANT: Jiang Yugu
? APPLICANT: Reed, Steven G.
? APPLICANT: Kalos, Michael
? APPLICANT: Fanger, Gary
? APPLICANT: Retter, Mark
? APPLICANT: Solk, John
? APPLICANT: Day, Craig
? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
? TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
? FILE REFERENCE: 210121.427C9
? CURRENT APPLICATION NUMBER: US/09/439,313
? CURRENT FILING DATE: 1999-11-12
? NUMBER OF SEQ ID NOS: 575
? SOFTWARE: FastSeq for Windows Version 3.0
? SEQ ID NO 434
? LENGTH: 484
? TYPE: DNA
? ORGANISM: Homo sapiens
? US-09-439-313-434

Query Match      100.0%; Score 2760; DB 1; Length 484;
Best Local Similarity 100.0%; Pred. No. 1.5e-68;
Matches 484; Conservative 0; Mismatches 0; Indels 0; Gaps 0

Db      QY      1 TTTTAAATTAACATTGTAGTGTGCTAGTCCCTAGTGAAGACTCTTCTCCCTCCCTCG 60
        QY      1 TTTTAAATTAACATTGTAGTGTGCTAGTCCCTAGTGAAGACTCTTCTCTCTCCCTCTG 60
        Db      1 TTTTAAATTAACATTGTAGTGTGCTAGTCCCTAGTGAAGACTCTTCTCTCTCCCTCTG 60
        QY      61 AATTTAATCTTCAACTTGCATTTTGCAGAGATTACACATTTTCACATGTCGATATATG 120
        Db      61 AATTTAATCTTCAACTTGCATTTTGCAGAGATTACACATTTTCACATGTCGATATATG 120
        QY      121 TGTGTGCAAAAAAAGTGTGTTGTTTAAATTTACTGTTGGTTTGAATTCATCTTGC 180
        Db      121 TGTGTGCAAAAAAAGTGTGTTGTTTAAATTTACTGTTGGTTTGAATTCATCTTGC 180
        QY      181 TTTTTCGCCATTTGGAAGTGTGATTAATCCATCTCTGTAAGTGTGAGAAAAATCTGAAAG 240
        Db      181 TTTTTCGCCATTTGGAAGTGTGATTAATCCATCTCTGTAAGTGTGAGAAAAATCTGAAAG 240
        QY      241 AGCTAGCTATACAGCATCTGACAGGTGAATGATGTTCTCGAAGCAATTCACCCAGA 300
        Db      241 AGCTAGCTATACAGCATCTGACAGGTGAATGATGTTCTCGAAGCAATTCACCCAGA 300

```

```

pb 241 |||||
  241 AGCTAGCTATCAGATCGACAGGTGAATGGATGGTTCACAAACCATTTCCACCAGA 300
OY 301 CAGCGTGTTCATCCTGTTTAAATTAATTAATTTGGGTTCTCTACATGATTAACAAACC 360
Db 301 CAGCGTGTTCATCCTGTTTAAATTAATTAATTTGGGTTCTCTACATGATTAACAAACC 360
OY 361 TGCCTCAATCTGTGCATATAAAGTCTGTGACTTGAAGTTAGTACAGACCCCAAC 420
Db 361 TGCCTCAATCTGTGCATATAAAGTCTGTGACTTGAAGTTAGTACAGACCCCAAC 420
OY 421 TTTATTTTCTATGTTGTTTGGCAATATAGTGTGTTGAAAATTAAGTACCATGTC 480
Db 421 TTTATTTTCTATGTTGTTTGGCAATATAGTGTGTTGAAAATTAAGTACCATGTC 480
OY 481 TTTA 484
  481 ||||
  481 TTTA 484

```

RESULT 2
 US-09-352-616A-434
 ; Sequence 434, Application US/09352616A
 ; Patent No. 6395278
 ; GENERAL INFORMATION:
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Harlocker, Susan Louise
 ; APPLICANT: Jiang, Yugu
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Mitcham, Jennifer Lynn
 ; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
 ; FILE REFERENCE: 210121.427C8
 ; CURRENT APPLICATION NUMBER: US/09/352.616A
 ; NUMBER OF SEQ ID NOS: 472
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 434
 ; LENGTH: 484
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-352-616A-434

```

Query Match 100.0%; Score 2760; DB 2; Length 484;
Best Local Similarity 100.0%; Pred. No. 1.5e-68;
Matches 484; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1 TTTTAAATTAAGATTTAGTCTGAGTCCCTACTAGTACTCTCTCCCTCTCTG 60
Db 1 TTTTAAATTAAGATTTAGTCTGAGTCCCTACTAGTACTCTCTCCCTCTCTG 60
OY 61 AATTAAATCTTCAACTTGAATTTGCAAGATTTACATTTACTGTGTATATG 120
Db 61 AATTAAATCTTCAACTTGAATTTGCAAGATTTACATTTACTGTGTATATG 120
OY 121 TGTTCACAAAAAAGAGTCTTGTAAATTAATTAATTTGGTGTGATTCATCTG 180
Db 121 TGTTCACAAAAAAGAGTCTTGTAAATTAATTAATTTGGTGTGATTCATCTG 180
OY 181 TTTTCCCATTTGGAAGTATTAACCATCTCTAATCTGTGAGAAAAATCTGAAG 240
Db 181 TTTTCCCATTTGGAAGTATTAACCATCTCTAATCTGTGAGAAAAATCTGAAG 240
OY 241 AGCTAGTATACACATCTGACAGTGAATTTGATGTTCTGAGAACATTTACCCAGA 300
Db 241 AGCTAGTATACACATCTGACAGTGAATTTGATGTTCTGAGAACATTTACCCAGA 300
OY 301 CAGCGTGTTCATCCTGTTTAAATTAATTAATTTGGGTTCTCTACATGATTAACAAACC 360
Db 301 CAGCGTGTTCATCCTGTTTAAATTAATTAATTTGGGTTCTCTACATGATTAACAAACC 360
OY 361 TGCCTCAATCTGTGCATATAAAGTCTGTGACTTGAAGTTAGTACAGACCCCAAC 420
  420 |||||
  420 TTTA 484

```

```

Db 361 TGCCTCAATCTGTGCATATAAAGTCTGTGACTTGAAGTTAGTACAGACCCCAAC 420
OY 421 TTTATTTTCTATGTTGTTTGGCAATATAGTGTGTTGAAAATTAAGTACCATGTC 480
Db 421 TTTATTTTCTATGTTGTTTGGCAATATAGTGTGTTGAAAATTAAGTACCATGTC 480
OY 481 TTTA 484
  481 ||||
  481 TTTA 484

```

RESULT 3
 US-09-439-313-335
 ; Sequence 335, Application US/09439313
 ; Patent No. 6329505
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan Louise
 ; APPLICANT: Jiang Yugu
 ; APPLICANT: Reed, Steven G.
 ; APPLICANT: Ralios, Michael
 ; APPLICANT: Rafter, Gary
 ; APPLICANT: Solk, John
 ; APPLICANT: Day, Craig
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
 ; FILE REFERENCE: 210121.427C9
 ; CURRENT APPLICATION NUMBER: US/09/439.313
 ; NUMBER OF SEQ ID NOS: 575
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 335
 ; LENGTH: 2984
 ; TYPE: DNA
 ; ORGANISM: Homo sapien
 US-09-439-313-335

```

Query Match 99.6%; Score 2749; DB 1; Length 2984;
Best Local Similarity 99.6%; Pred. No. 5.9e-62;
Matches 484; Conservative 0; Mismatches 0; Indels 2; Gaps 1;
OY 1 TTTTAAATTAAGATTTAGTCTGAGTCCCTACTAGTACTCTCTCCCTCTCTG 60
Db 2473 TTTTAAATTAAGATTTAGTCTGAGTCCCTACTAGTACTCTCTCCCTCTCTG 2532
OY 61 AATTAAATCTTCAACTTGAATTTGCAAGATTTACATTTACTGTGTATATG 120
Db 2533 AATTAAATCTTCAACTTGAATTTGCAAGATTTACATTTACTGTGTATATG 2592
OY 121 TGTTCG-AAAAAAGAGTCTTGTAAATTAATTAATTTGGTGTGATTCATCTG 178
Db 2593 TGTTCGAAAAAAGAGTCTTGTAAATTAATTAATTTGGTGTGATTCATCTG 2652
OY 179 GCTTTTCCCATTTGGAAGTATTAACCATCTCTAATCTGTGAGAAAAATCTGA 238
Db 2653 GCTTTTCCCATTTGGAAGTATTAACCATCTCTAATCTGTGAGAAAAATCTGA 2712
OY 239 AGACTGTATACACATCTGACAGTGAATTTGATGTTCTGAGAACATTTACCCAGA 298
Db 2713 AGACTGTATACACATCTGACAGTGAATTTGATGTTCTGAGAACATTTACCCAGA 2772
OY 299 GACAGCCTGTTTCTATCCTGTTTAAATTAATTAATTTGGGTTCTCTACATGATTAACAAACC 358
Db 2773 GACAGCCTGTTTCTATCCTGTTTAAATTAATTAATTTGGGTTCTCTACATGATTAACAAACC 2832
OY 359 CCGTGCATATCTGTGCATATAAAGTCTGTGACTTGAAGTTAGTACAGACCCCAAC 418
Db 2833 CCGTGCATATCTGTGCATATAAAGTCTGTGACTTGAAGTTAGTACAGACCCCAAC 2892
OY 419 ACTTAAATTTCTATGTTGTTTGGCAATATAGTGTGTTGAAAATTAAGTACCATG 478

```


APPLICANT: Fanger, Gary
APPLICANT: Retter, Mark
APPLICANT: Solk, John
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
FILE REFERENCE: 210121.427C9
CURRENT APPLICATION NUMBER: US/09/439.313
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 115
LENGTH: 366
TYPE: DNA
ORGANISM: Homo sapien
US-09-439-313-115

Query Match
Best Local Similarity 75.8%; Score 2092; DB 1; Length 366;
Matches 365; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 40 CTCCTTCTCTCCCTCCTCTGTAATTAATTTCACTTGCATTTGCAAGATTAC 99
DB 2 CTCCTTCTCTCCCTCCTCTGTAATTAATTTCACTTGCATTTGCAAGATTAC 61
QY 100 ATTCACTGTGATGATTAATTTGTTGCAAAAAAAGTCTTTTAAATTAAT 159
DB 62 ATTCACTGTGATGATTAATTTGTTGCAAAAAAAGTCTTTTAAATTAAT 121
QY 160 TGGTTTGGATTCATCTGTTTCCCATTTGCACTAGTCAATTAACCATCTGAA 219
DB 122 TGGTTTGGATTCATCTGTTTCCCATTTGCACTAGTCAATTAACCATCTGAA 181
QY 220 CTGTTAGAAAAACATCTGAAGCTAGTCACTAGTCACTAGTCACTAGTCA 279
DB 182 CTGTTAGAAAAACATCTGAAGCTAGTCACTAGTCACTAGTCACTAGTCA 241
QY 280 CTCAGACCATTTTCAACCCAGACAGCTGTTTCTATCTGTTTAAATTAAT 339
DB 242 CTCAGACCATTTTCAACCCAGACAGCTGTTTCTATCTGTTTAAATTAAT 301
QY 340 CTCATACATGATTAACCAACCTGCTCAATCTGTCACATTAAGTCTGAACTT 399
DB 302 CTCATACATGATTAACCAACCTGCTCAATCTGTCACATTAAGTCTGAACTT 361
QY 400 TAGTC 404
DB 362 TAGTC 366

RESULT 7

US-09-352-616A-115
Sequence 115, Application US/09352616A
Patent No. 6395278
GENERAL INFORMATION:
APPLICANT: Dillon, Davin C.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang, Yugu
APPLICANT: Xu, Jiangchun
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
FILE REFERENCE: 210121.427C8
CURRENT APPLICATION NUMBER: US/09/352.616A
NUMBER OF SEQ ID NOS: 472
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 115
LENGTH: 366
TYPE: DNA
ORGANISM: Homo sapien
US-09-352-616A-115

Query Match
Best Local Similarity 75.8%; Score 2092; DB 2; Length 366;
Matches 365; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 40 CTCCTTCTCTCCCTCCTCTGTAATTAATTTCACTTGCATTTGCAAGATTAC 99
DB 2 CTCCTTCTCTCCCTCCTCTGTAATTAATTTCACTTGCATTTGCAAGATTAC 61
QY 100 ATTCACTGTGATGATTAATTTGTTGCAAAAAAAGTCTTTTAAATTAAT 159
DB 62 ATTCACTGTGATGATTAATTTGTTGCAAAAAAAGTCTTTTAAATTAAT 121
QY 160 TGGTTTGGATTCATCTGTTTCCCATTTGCACTAGTCAATTAACCATCTGAA 219
DB 122 TGGTTTGGATTCATCTGTTTCCCATTTGCACTAGTCAATTAACCATCTGAA 181
QY 220 CTGTTAGAAAAACATCTGAAGCTAGTCACTAGTCACTAGTCACTAGTCA 279
DB 182 CTGTTAGAAAAACATCTGAAGCTAGTCACTAGTCACTAGTCACTAGTCA 241
QY 280 CTCAGACCATTTTCAACCCAGACAGCTGTTTCTATCTGTTTAAATTAAT 339
DB 242 CTCAGACCATTTTCAACCCAGACAGCTGTTTCTATCTGTTTAAATTAAT 301
QY 340 CTCATACATGATTAACCAACCTGCTCAATCTGTCACATTAAGTCTGAACTT 399
DB 302 CTCATACATGATTAACCAACCTGCTCAATCTGTCACATTAAGTCTGAACTT 361
QY 400 TAGTC 404
DB 362 TAGTC 366

RESULT 8

US-09-232-149A-115
Sequence 115, Application US/09232149A
Patent No. 6465611
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
FILE REFERENCE: 210121.427C6
CURRENT APPLICATION NUMBER: US/09/232.149A
NUMBER OF SEQ ID NOS: 338
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 115
LENGTH: 366
TYPE: DNA
ORGANISM: Homo sapien
US-09-232-149A-115

Query Match
Best Local Similarity 75.8%; Score 2092; DB 3; Length 366;
Matches 365; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 40 CTCCTTCTCTCCCTCCTCTGTAATTAATTTCACTTGCATTTGCAAGATTAC 99
DB 2 CTCCTTCTCTCCCTCCTCTGTAATTAATTTCACTTGCATTTGCAAGATTAC 61
QY 100 ATTCACTGTGATGATTAATTTGTTGCAAAAAAAGTCTTTTAAATTAAT 159
DB 62 ATTCACTGTGATGATTAATTTGTTGCAAAAAAAGTCTTTTAAATTAAT 121
QY 160 TGGTTTGGATTCATCTGTTTCCCATTTGCACTAGTCAATTAACCATCTGAA 219
DB 122 TGGTTTGGATTCATCTGTTTCCCATTTGCACTAGTCAATTAACCATCTGAA 181
QY 220 CTGTTAGAAAAACATCTGAAGCTAGTCACTAGTCACTAGTCACTAGTCA 279
DB 182 CTGTTAGAAAAACATCTGAAGCTAGTCACTAGTCACTAGTCACTAGTCA 241

```
QY 280 CTCGAGACCATTTCCACCAGACGCTGTTTCTATCTGTTTAAATTAATTAAGTTGGGTT 339
    |||||||
Db 242 CTCGAGACCATTTCCACCAGACGCTGTTTCTATCTGTTTAAATTAATTAAGTTGGGTT 301
QY 340 CTCCTAATGATTAACAACCCCTGCTCAATCTGTACATTAAGTCTGTACTTGAAGTT 339
    |||||||
Db 302 CTCCTAATGATTAACAACCCCTGCTCAATCTGTACATTAAGTCTGTACTTGAAGTT 361
QY 400 TACTC 404
    |||||
Db 362 TACTC 366
```

```
RESULT 9
US-09-159-812-115
; Sequence 115, Application US/09159812A
; Patent No. 6613872
; GENERAL INFORMATION:
; APPLICANT: Xu, Jlangchun
; APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF
; TITLE OF INVENTION: PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.428C5
; CURRENT APPLICATION NUMBER: US/09/159, 812A
; CURRENT FILING DATE: 1998-09-23
; NUMBER OF SEQ ID NOS: 306
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 115
; LENGTH: 366
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-159-812-115
```

```
Query Match 75.8%; Score 2092; DB 4; Length 366;
Best Local Similarity 100.0%; Pred. No. 2.4e-49;
Matches 365; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 40 CTCCTTCTCTCCCTCCTCTGTAATTAATCTTTCAACTGCAATTTGCAAGATTACAC 99
    |||||||
Db 2 CTCCTTCTCTCCCTCCTCTGTAATTAATCTTTCAACTGCAATTTGCAAGATTACAC 61
QY 100 ATTTCACTGTGATGTAATTTGTTGCCAAAAAAAAGTGTCTTTGTTTAAATTACT 159
    |||||||
Db 62 ATTTCACTGTGATGTAATTTGTTGCCAAAAAAAAGTGTCTTTGTTTAAATTACT 121
QY 160 TGGTTTGTGAATCCATCTGCTTTTCCCATTTGGAACATGATTAACCATCTCGAA 219
    |||||||
Db 122 TGGTTTGTGAATCCATCTGCTTTTCCCATTTGGAACATGATTAACCATCTCGAA 181
QY 220 CTGTAGAAAAAATCATCTGAAGAGCTAGTATCAGATCTGACAGGTGAATGGATGTT 279
    |||||||
Db 182 CTGTAGAAAAAATCATCTGAAGAGCTAGTATCAGATCTGACAGGTGAATGGATGTT 241
QY 280 CTCGAGAACATTTCCACCAGACGCTGTTTCTATCTGTTTAAATTAAGTTGGGTT 339
    |||||||
Db 242 CTCGAGAACATTTCCACCAGACGCTGTTTCTATCTGTTTAAATTAAGTTGGGTT 301
QY 340 CTCCTAATGATTAACAACCCCTGCTCAATCTGTACATTAAGTCTGTACTTGAAGTT 339
    |||||||
Db 302 CTCCTAATGATTAACAACCCCTGCTCAATCTGTACATTAAGTCTGTACTTGAAGTT 361
QY 400 TACTC 404
    |||||
Db 362 TACTC 366
```

```
RESULT 10
US-09-030-607-115
; Sequence 115, Application US/09030607
; Patent No. 6262245
; GENERAL INFORMATION:
; APPLICANT: Xu, Jlangchun
```

```
APPLICANT: Dillon, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS
; NUMBER OF SEQUENCES: 224
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/030, 607
; FILING DATE: 25-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Makl, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 115:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 366 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ORIGINAL SOURCE:
; ORGANISM: Homo Sapiens
US-09-030-607-115
```

```
Query Match 75.8%; Score 2092; DB 5; Length 366;
Best Local Similarity 100.0%; Pred. No. 2.4e-49;
Matches 365; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 40 CTCCTTCTCTCCCTCCTCTGTAATTAATCTTTCAACTGCAATTTGCAAGATTACAC 99
    |||||||
Db 2 CTCCTTCTCTCCCTCCTCTGTAATTAATCTTTCAACTGCAATTTGCAAGATTACAC 61
QY 100 ATTTCACTGTGATGTAATTTGTTGCCAAAAAAAAGTGTCTTTGTTTAAATTACT 159
    |||||||
Db 62 ATTTCACTGTGATGTAATTTGTTGCCAAAAAAAAGTGTCTTTGTTTAAATTACT 121
QY 160 TGGTTTGTGAATCCATCTGCTTTTCCCATTTGGAACATGATTAACCATCTCGAA 219
    |||||||
Db 122 TGGTTTGTGAATCCATCTGCTTTTCCCATTTGGAACATGATTAACCATCTCGAA 181
QY 220 CTGTAGAAAAAATCATCTGAAGAGCTAGTATCAGATCTGACAGGTGAATGGATGTT 279
    |||||||
Db 182 CTGTAGAAAAAATCATCTGAAGAGCTAGTATCAGATCTGACAGGTGAATGGATGTT 241
QY 280 CTCGAGAACATTTCCACCAGACGCTGTTTCTATCTGTTTAAATTAAGTTGGGTT 339
    |||||||
Db 242 CTCGAGAACATTTCCACCAGACGCTGTTTCTATCTGTTTAAATTAAGTTGGGTT 301
QY 340 CTCCTAATGATTAACAACCCCTGCTCAATCTGTACATTAAGTCTGTACTTGAAGTT 339
    |||||||
Db 302 CTCCTAATGATTAACAACCCCTGCTCAATCTGTACATTAAGTCTGTACTTGAAGTT 361
QY 400 TACTC 404
    |||||
Db 362 TACTC 366
```

```
RESULT 11
US-09-020-956-115
; Sequence 115, Application US/09020956
```


QY	137	AACTCTCTTGGTTAAATAATCTAGTTGGTTGGTGAATCATCTGGCTTTTCCCATGGAA	196
Db	335	AAAGTCCTTTGGTTAAATAATCTAGTTGGTTGGTGAATCATCTGGCTTTTCCCATGGAA	276
QY	197	CTAGTCATTTAACCATCTCTGTAACGTGTAGAAAAACATCTGAAGAGCTAGTCTATCAGA	256
Db	275	NTAGTCATTTAACCMATCTCTGTAACGTGTAGAAAAACATCTGAAGAGCTAGTGTATCAGA	216
QY	257	TCTGCAGGTGAATTGGAATGGTTCTCAGAACCATTTACCCAGACAGCCGTGTTCTATCC	316
Db	215	TCTGCAGGTGAATTGGAATGGTTCTCAGAACCATTTACCCAGACAGCCGTGTTCTATCC	156
QY	317	TGTTTAATAAATTAAGTTGGTCTCTACATCATTAACAAACCGTCTCCAACTGTAC	376
Db	155	TGTTTAATAAATTAAGTTGGTCTCTACATCATTAACAAACCGTCTCCAACTGTAC	96
QY	377	ATTAAGAAGCTGAGACTTGAAGTTTAGTCAGAACCCACCACCAAACTTATTTTCTATGTG	436
Db	95	ATTAAGAAGCTGAGACTTGAAGTTTAGTCAGAACCCACCACCAAACTTATTTTCTATGTG	36

```
.OY      437 TTTTTCACATATGAGTGTTTGAATAAAGT 471
          |||||
Db       35 TTTTTCACATATGAGTGTTTGAATAAAGT 1
```

Search completed: September 16, 2003, 13:28:47
Job time : 219 secs

Davis, Minh-Tam

From: Davis, Minh-Tam
Sent: Monday, September 15, 2003 1:11 PM
T : Schulwitz, Paul
Subject: RE: search for 09/700700

Can you see Paula Sheppard?. She just did a similar search for another sequence, SEQ ID NO:335 of the case 09/439313 against the parent cases of 09/439313 to determine priority date.

Thanks
Tam
305-2008

-----Original Message-----

From: Schulwitz, Paul
Sent: Monday, September 15, 2003 1:07 PM
T : Davis, Minh-Tam
Subject: RE: search for 09/700700

Examiner Davis,

Out of the list of application numbers that you provided there was no current CRF in the database for any of the application numbers.

I am assuming there is no CRF data because patents have been issued in some of these cases.

I can extract the data from the patent numbers with some extra steps, but I need to know which patents you need compared.

The patent number listed in PAM for 09/439,313 is 6329505

You listed a number of other application numbers in your request. Which one do you want it compared against?

09/439,313 is a CIP of 09/352,616 (pat no. 6395278).

Is this the comparison you are looking for?

In the subject line of your email is the application number "09/700700".... what does this number have to do with this search?

I'm confused about your request. Please contact me.

Thanks.

Paul
305-1954

-----Original Message-----

From: Davis, Minh-Tam
Sent: Monday, September 15, 2003 11:29 AM
To: Schulwitz, Paul
Subject: search for 09/700700

Thanks for your search result of SEQ ID NO:434 of 09/439313

However it seems that the search was not done against the parent cases of 09/439313, as requested, but rather against commercial data base, PGPU and issued patents.

Could you please contact me ASAP because it is due this biweek.

Thanks.

MINH TAM DAVIS
305-2008

THIS PAGE BLANK (USPIC)